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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09:764,691	01/18/2001	David W. Bell	2047-179	6901
31835	7590	01/16/2004	EXAMINER	
RUSSELL E. FOWLER, II ICE MILLER ONE AMERICAN SQUARE, BOX 82001 INDIANAPOLIS, IN 46282-0002			RAEVIS, ROBERT R	
			ART UNIT	PAPER NUMBER
			2856	

DATE MAILED: 01/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/764,691	BELL, DAVID W.	
	Examiner	Art Unit	
	Robert R. Raevis	2856	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 December 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7, 8, 13, 14, 16, 18 is/are rejected.
- 7) ☒ Claim(s) 4-6, 9-12, 15 and 17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claims 1, 2, 16 and 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Long.

Long teaches a pipette mandrel for engagement with the interior wall of a pipette tip, the mandrel comprising (Figure 5): elongated hollow structure (Figure 5 in its entirety) with upper proximate and lower distal ends; lower lead-in portion 180 on the lower distal end; first cylindrical portion with a first diameter that extends from element 130 to element 180; second cylindrical portion 130 that has a diameter greater than that of the first diameter; a raised protrusion 186 positioned upon the first cylindrical portion, the protrusion of which contacts the interior wall of the tip to form a seal 184.

As to claim 1, the protrusion 186 appears to be as much a "band" as that claimed.

Claims 1, 2, 3, 7, 8, 13, 14, 16, 18 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Franke et al.

Franke et al teach a pipette mandrel, comprising (Figure 3): elongated hollow structure 30 with upper proximate end and lower distal end; lower lead-in portion at the bottom of structure 30; first cylindrical portion located immediately-above/below/within the bead 34; second cylindrical portion (defined by the threaded region 33) that has a greater diameter than the first portion; raised bead 34 on the first cylindrical portion, the bead of which forms a seal with the pipette tip.

As to claims 1, 2, 7, 8, the bead 34 appears to be as much a "band" as that claimed.

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As to claims 3,13,14,16,18, the first cylindrical portion may be defined as including the diameter immediate below/above the bead, with that same portion extending up to the region immediately adjacent to the top surface of the threaded portion 33. In that instance, the second cylindrical portion will be that portion that appears to be defined by the slot (above the threaded region) and extending to the top of mandrel 30. The portion around that second cylindrical portion extends outward to contact the uppermost hollow cylindrical body in Figure 3.

Claims 4-6,9-12,15,17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert R. Raevis whose telephone number is 703-305-4919. The examiner can normally be reached on Monday to Friday from 6:30am to 4:00pm. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



RAEVIS

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